A SYSTEM AND PROCESS FOR AUTOMATICALLY PROVIDING FAST RECOMMENDATIONS USING LOCAL PROBABILITY DISTRIBUTIONS

Abstract of Disclosure

The system and method of the present invention automatically extracts the top *k* recommendations of objects, such as topics, items, products, books, movies, food, drinks, etc., from a local probabilistic recommendation system. Unlike prior systems, the present invention accomplishes the extraction of the top *k* recommendations of objects without examining a probability for every object that can be recommended. Further, the system and method of the present invention is capable of being implemented using probabilistic recommendation systems based on any conventional type of probabilistic distribution or machine learning technique, including, for example, decision trees and Bayesian networks.

Figures